

Bachelor of Science with a Major in Mining Engineering

Freshman		Fall Semester		Sophomore		Fall Semester	
MATH 152	Calculus I	4		CHEM 161	General Chemistry	5	
PHYS 211	Fundamentals of Physics	4		ECON 112	Macroeconomics	3	
PHYS 213	Physics lab I	1		MATH 251	Calculus III	4	
PHYS 175	Intro. to Engineering	3		MATH 341	Probability and Statistics	3	
ENEX 101	Composition	3			Mining Elective	3	
GEOS 100	General Geology	2					
GEOS 101	General Geology Lab	1					
		<u>1</u>				<u>1</u>	
		8				8	

Freshman		Spring Semester		Sophomore		Spring Semester	
MATH 153	Calculus II	4		CHEM 162	General Chemistry	5	
PHYS 212	Fundamentals of Physics	4		PHYS 295	Engineering Statics	3	
PHYS 214	Physics lab II	1		PHYS 330	Communicating Physics	3	
ECON 111	Microeconomics	3			Humanities Elective	3	
GEOS 226	Earth Materials	4			Humanities Elective	3	
		<u>1</u>				<u>1</u>	
		6				7	

3rd and 4th Years at Montana Tech

Junior			Senior		
ENGR 2060	Engineering Dynamics	3	ENGR 3340	Thermodynamics I	3
ENGR 2530	Electric Circuits	3	ENGR 4040	Professional Engineering	1
ENGR 3260	Fluid Mechanics	3		Technical Elective	3
ENGR 3350	Mechanics of Materials	3		Mining/Enviro. Elec.	3
ENGR 3360	Mechanics of Materials Lab	1	MIN 3050	Unit Mining Operations	4
MATH 2236	Differential Equations	3	MIN 3100	Comp. Aided Mine Des.	2
METE 2320	Proc. of Particulate Systems	2	MIN 4010	Mine Design - Surface	3
METE 2340	Particulate Processing Lab	1	MIN 4080	Mine Valuation	3
MIN 1050	Introduction to Mining	2	MIN 4560	Mine Ventilation	3
MIN 1110	Miner Safety Training	2	MIN 4580	Mine Management	3
MIN 1520	Mapping, Surf. Mod. & Volum.	3	MIN 4700 W	Mine Design Project	3
MIN 2100	Plane Surveying	3	MEC 3630	Engr. Econ. & Fin. Mgmt.	3
MIN 2150	Mining Methods	3	MED 4000	Econ. of Minerals Ind.	3
MIN 4060	Mine Surveying	1			
MIN 4670	Geomechanics	3			
		<u>3</u>			<u>3</u>
		6			7